

SPICE Model



MADP-011034-10720T Nov 29, 2023

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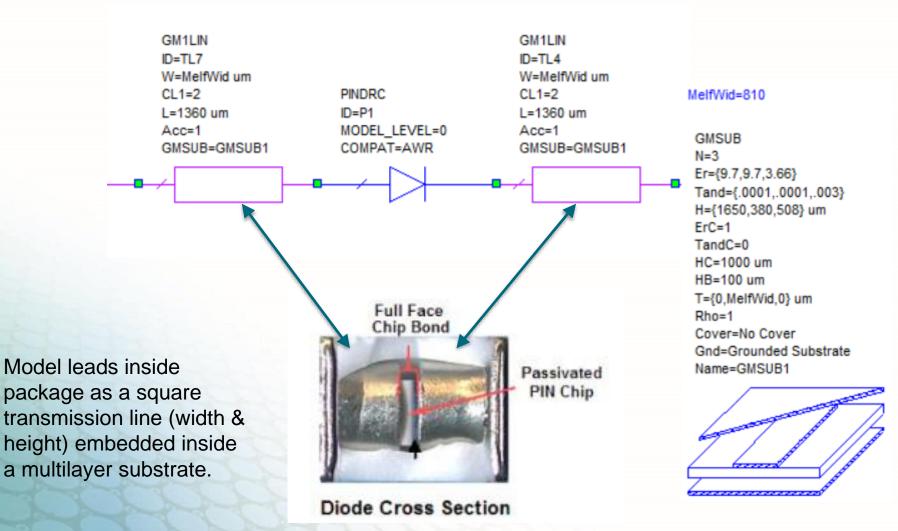
Coaxial Test Fixture



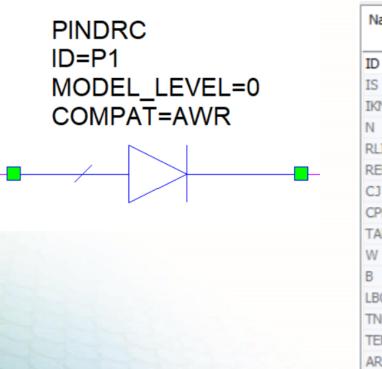
- Keysight E4991B-300 Impedance Analyzer with E4991B-300 Test Head
- Keysight 16197A Bottom Electrode Test Fixture used (1MHz to 3 GHz operation)
 - S-Parameters pulled from Keysight E4991B-300, calibration as follows
 - OPEN, SHORT, and LOAD
 - Fixture Compensation OPEN and SHORT for 16197A Bottom Electrode Fixture
 - the test fixture allows the reference plane to be placed right at the leadless face of the MELF, so no de-embedding of transmission line needed

Package

млсом



Robert Caverly PIN Diode Model



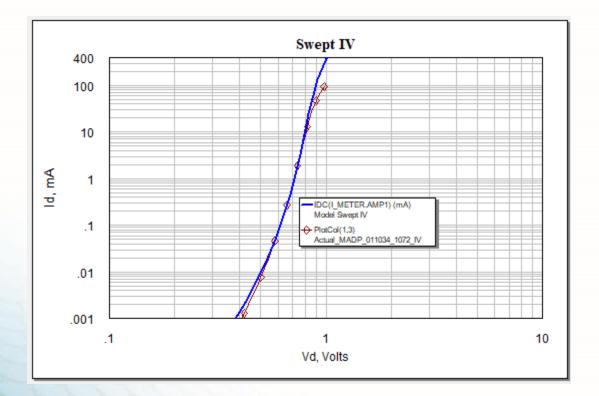
Name	Value	Unit
ID	P1	
IS	Is	mA
IKNEE	Iknee	mA
N	Npin	
RLIM	Rlim	Ohm
REPI	Repi	Ohm
CJ	Cj	pF
CPKG	Cpkg	pF
TAU	LT	ns
W	W	
В	3	
LBOND	Lpkg	nH
TNOM	26.85	DegC
TEMP	26.85	DegC
AREA	1	
NFLAG	Noise Off	
MODEL_LEVEL	0	
COMPAT	AWR	

Is=6.4e-07 Iknee=1 Npin=1 Repi=5000 LT=300 W=11 Cj=0.6 Rlim=0.19 Cpkg=0.3 Lpkg=0.16

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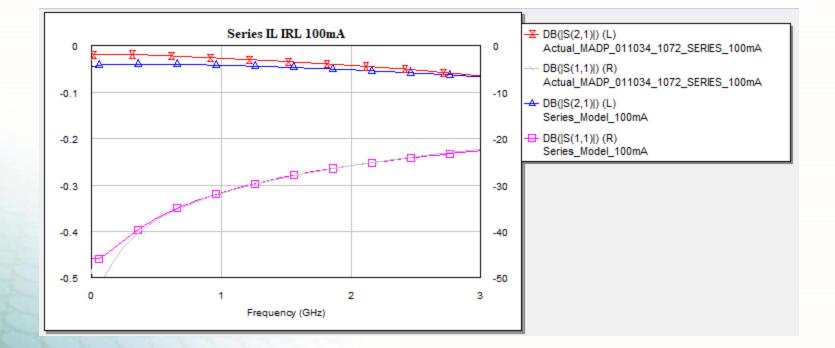
IV Curve





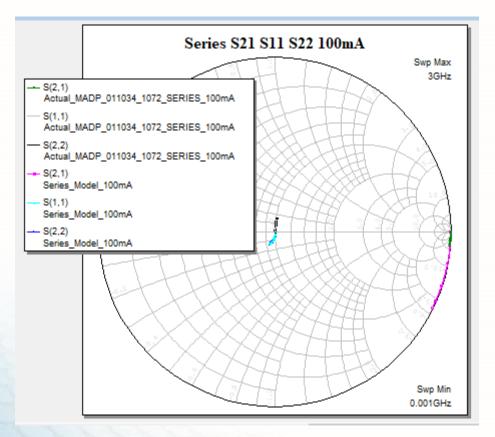
Series 100 mA





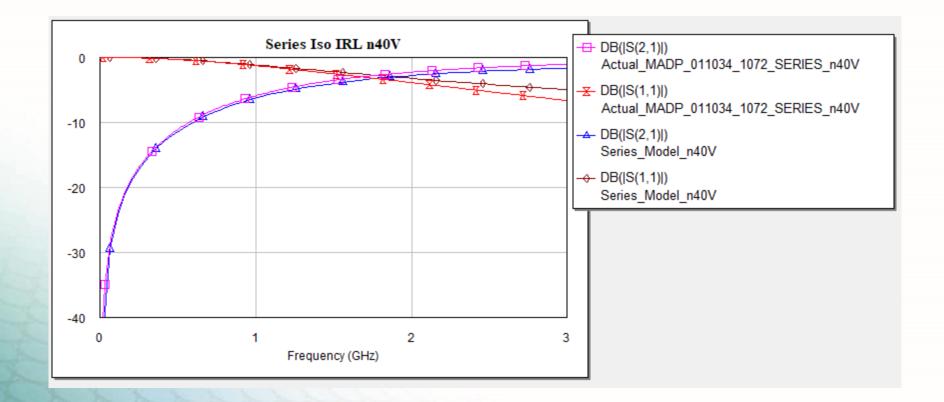
Series 100 mA





Series -40 V





Series -40 V



